CLAIMS

What is claimed is:

1	1. A method of operating a base station comprising:
2	Receiving a request for a channel of a plurality of channels on a first channel of
3	the plurality of channels;
4	Determining whether a channel of the plurality of channels is available; and
5	Communicating to the requestor whether a channel of the plurality of channels is
6	available.
1	2. The method of claim 1 wherein:
2	Communicating includes denying the request for a channel.
1	3. The method of claim 1 wherein:
2	Communicating includes granting the request for a channel by assigning the first
3	channel.
1	4. The method of claim 1 wherein:
2	Communicating includes granting the request for a channel by assigning a
3	second channel and the first channel

1	5. The method of claim 1 wherein:					
2 Communicating includes granting the request for a channel by assignir						
3	second channel instead of the first channel.					
1	6. The method of claim 1 wherein:					
2	Determining includes evaluating a load of the system.					
1	7. The method of claim 1 wherein:					
2	Determining includes evaluating an emergency status of the request.					
1	8. The method of claim 1 wherein:					
1 2 2 3 3	Determining includes evaluating a status of a subscriber from whom the request					
1 3	originates.					
1.	9. The method of claim 8 wherein:					
	Evaluating the status includes evaluating the subscription terms of the					
3	subscriber.					
1	10. The method of claim 8 wherein:					
2	Evaluating the status includes evaluating the payment history of the subscriber.					

	1	11. The method of claim 1 wherein:
	2	Determining includes evaluating a nature of the request.
	1	12. The method of claim 11 wherein:
	2	The nature of the request includes a high bandwidth requirement.
	1	13. The method of claim 11 wherein:
	2	The nature of the request includes a low bandwidth requirement.
	1	14. The method of claim 11 wherein:
	3	The nature of the request includes a set of capabilities of equipment used to make the request.
		15. The method of claim 3 further comprising:
The time that the time the	3	Receiving a request for a third channel of the plurality of channels upon assigning of the first channel;
	4	Determining whether a third or fourth channel of the plurality of channels is
	5	available; and
	6	Communicating to the requestor the third channel availability or fourth channel
	7	availability.

1	16. A method of operating a user terminal comprising:
2	Sending a request for a first channel of a plurality of channels on the first
3	channel; and
4	Receiving an indication of availability of a channel of the plurality of channels.
1	17. The method of claim 16 wherein:
2	The request including a subscriber identification.
1	18. The method of claim 16 wherein:
2	The request including an emergency code.
1	19. The method of claim 16 wherein:
2	The request including an equipment identification.
1	20. The method of claim 16 wherein:
2	The request including a training sequence.
1	21. The method of claim 16 wherein:
2	The indication signaling no channel is available.
1	22. The method of claim 16 wherein:
2	The indication signaling the first channel is available.
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- 1 23. The method of claim 16 wherein:
- The indication signaling a second channel of the plurality of channels is
- 3 available.
- 1 24. The method of claim 23 wherein:
- The indication signaling the first channel is also available.
- 1 25. The method of claim 22 further comprising:
- 2 Communicating using the first channel.
 - 26. The method of claim 23 further comprising:
- 2 Communicating using the second channel.
 - 27. The method of claim 24 further comprising:
- 2 Communicating using the first channel and the second channel.
- 1 28. The method of claim 25 further comprising:
- 2 Sending a request for a third channel of the plurality of channels; and
- 3 Receiving an indication of availability of a channel of the plurality of channels.
- 1 29. The method of claim 28 wherein:
- The indication signaling the third channel is not available.

	1	30. The method of claim 28 wherein:
	2	The indication signaling the third channel is available.
	1	O1. The method of claim O0 wherein
	1	31. The method of claim 28 wherein:
	2	The indication signaling a fourth channel is available.
	1	32. The method of claim 21 further comprising:
	2	Waiting an inter-channel delay;
	3	Sending a request for a third channel of the plurality of channels on the third
	4	channel;
the training that the same that the same training the same training the same training trainin	5	Receiving an indication of availability of a channel of the plurality of channels.
		33. The method of claim 32 wherein:
8 19 11	2	the indication signaling the third channel is not available;
And they had they	3	determining no other channels may be requested;
	4	waiting an inter-attempt delay; and
	5	sending a request for the first channel on the first channel.

1	34. A method of providing access to a network comprising:
2	receiving a request for access on a first channel of a plurality of channels at
3	random from a network subscriber, each channel of the plurality of channels suitable for
4	accessing the network; and
5	granting access to the network on a channel of the plurality of channels based
6	on an evaluation of factors.
1	35. The method of claim 34 wherein:
2	The factors include subscriber status, subscriber equipment, network loading,
3	type of service requested, geographic location of the request, geographic location of the
4	responding equipment, connection quality, usage history of the subscriber, and
5	emergency status of the request.
1	36. A method of accessing a network comprising:
2	requesting access to the network on a first channel of a plurality of channels,
3	each channel of the plurality of channels suitable for accessing the network; and
4	receiving access to the network on a channel of the plurality of channels based
5	on an evaluation of factors.
1	37. The method of claim 36 wherein:
2	The factors include subscriber status, subscriber equipment, network loading,
3	and emergency status of the request.

1	38. The method of claim 36 wherein:
2	The request includes information related to equipment used by a subscriber
3	making the request.
1	39. The method of claim 8 wherein:
2	Evaluating the status includes evaluating the usage history of the subscriber.
1	40. The method of claim 1 wherein:
2	Determining includes evaluating the radio frequency characteristics of the
3	request.
And the state of t	
	41. A method comprising:
	Receiving a request for a channel of a plurality of channels on a first channel of
14 3 m:	the plurality of channels;
1 4	Determining whether a channel of the plurality of channels is available; and
1 4 1 5 2 5	Communicating to the requestor whether a channel of the plurality of channels is
6	available.
1	42. The method of claim 41 wherein:
2	Communicating includes denying the request for a channel.

- 1 49. The method of claim 48 wherein:
- 2 Evaluating the status includes evaluating the subscription terms of the
- 3 subscriber.
- 1 50. The method of claim 48 wherein:
- 2 Evaluating the status includes evaluating the payment history of the subscriber.
- 1 51. The method of claim 41 wherein:
- 2 Determining includes evaluating a nature of the request.
 - 52. The method of claim 51 wherein:
 - The nature of the request includes a high bandwidth requirement.
- 1 53. The method of claim 51 wherein:
 - The nature of the request includes a low bandwidth requirement.
- 1 54. The method of claim 51 wherein:
- The nature of the request includes a set of capabilities of equipment used to
- 3 make the request.
- 1 55. The method of claim 43 further comprising:
- 2 Receiving a request for a third channel of the plurality of channels upon
- 3 assigning of the first channel;

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	4	Determining whether a third or fourth channel of the plurality of channels is
	5	available; and
	6	Communicating to the requestor the third channel availability or fourth channel
	7	availability.
	1	56. The method of claim 48 wherein:
	2	Evaluating the status includes evaluating the usage history of the subscriber.
	1	57. The method of claim 41 wherein:
	2	Determining includes evaluating the radio frequency characteristics of the
Man Art.	3	request.
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	1	58. The method of claim 41 wherein:
	2	Communicating includes at least one of: denying the request for a channel,
Hard Hard Str. and Hard Hard Hard	3	granting the request for a channel by assigning the first channel, granting the request
	4	for a channel by assigning a second channel and the first channel, or granting the

request for a channel by assigning a second channel instead of the first channel.

	1	59. The method of claim 41 wherein:
	2	Determining includes at least one of: evaluating the radio frequency
	3	characteristics of the request, evaluating a load of the system, evaluating an emergency
	4	status of the request, evaluating a status of a subscriber from whom the request
	5	originates, or evaluating a nature of the request.
	1	60. An apparatus comprising:
	2	means for receiving a request for a channel of a plurality of channels on a first
	3	channel of the plurality of channels;
	4	means for determining whether a channel of the plurality of channels is available;
the they have been the man the the the	5	and
The feet	6	means for communicating to the requestor whether a channel of the plurality of
	7	channels is available.
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Harry ways daily daily	1	61. The apparatus of claim 60 wherein:
100 miles	2	the means for communicating includes a means for assigning a channel of the
	3	plurality of channels.

1	62.	The ap	paratus o	f claim	60 v	vherein
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- the means for determining includes a means for evaluating a status of a network,
- 3 a means for evaluating a status of a request, a means for evaluating a status of a
- 4 subscriber, a means for evaluating a usage history of a subscriber and a means for
- 5 evaluating a radio frequency characteristic of a request.
- 1 63. A system comprising:
- a processor; and
- a network interface coupled to the processor;
- 4 wherein the processor and the network interface are collectively configured to:
 - receive a request for a channel of a plurality of channels on a first channel of the
 - plurality of channels;
 - determine whether a channel of the plurality of channels is available; and
 - communicate to the requestor whether a channel of the plurality of channels is
 - available.
- 1 64. A machine-readable medium embodying instructions, the instructions, when
- 2 executed by a processor, causing the processor to perform a method, the method
- 3 comprising:
- 4 Receiving a request for a channel of a plurality of channels on a first channel of
- 5 the plurality of channels;
- 6 Determining whether a channel of the plurality of channels is available; and

7	Communicating to the requestor whether a channel of the plurality of channels is
8	available.

- 1 65. The machine-readable medium of claim 64 further embodying instructions,
- 2 the instructions, when executed by a processor, causing the processor to perform a
- 3 method, wherein:

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- 4 Communicating includes denying the request for a channel.
 - 66. The machine-readable medium of claim 64 further embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, wherein:

Communicating includes granting the request for a channel by assigning the first channel.

- 67. The machine-readable medium of claim 64 further embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, wherein:
- Communicating includes granting the request for a channel by assigning a second channel and the first channel.

- 1 68. The machine-readable medium of claim 64 further embodying instructions,
- 2 the instructions, when executed by a processor, causing the processor to perform a
- 3 method, wherein:
- 4 Communicating includes granting the request for a channel by assigning a
- 5 second channel instead of the first channel.
- 1 69. The machine-readable medium of claim 64 further embodying instructions,
- the instructions, when executed by a processor, causing the processor to perform a
- 3 method, wherein:
 - Determining includes evaluating a load of the system.
 - 70. The machine-readable medium of claim 64 further embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, wherein:
 - Determining includes evaluating an emergency status of the request.
- 71. The machine-readable medium of claim 64 further embodying instructions,
- the instructions, when executed by a processor, causing the processor to perform a
- 3 method, wherein:
- 4 Determining includes evaluating a status of a subscriber from whom the request
- 5 originates.

method, wherein:

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1	72. The machine-readable medium of claim 71 further embodying instructions,
2	the instructions, when executed by a processor, causing the processor to perform a
3	method, wherein:
4	Evaluating the status includes evaluating the subscription terms of the
5	subscriber.
1	73. The machine-readable medium of claim 71 further embodying instructions,
2	the instructions, when executed by a processor, causing the processor to perform a
3	method, wherein:
1 4	Evaluating the status includes evaluating the payment history of the subscriber.
1	74. The machine-readable medium of claim 64 further embodying instructions,
	the instructions, when executed by a processor, causing the processor to perform a
± 3	method, wherein:
4 4 May 10 10 10 10 10 10 10 10 10 10 10 10 10	Determining includes evaluating a nature of the request.
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1	75. The machine-readable medium of claim 74 further embodying instructions,
2	the instructions, when executed by a processor, causing the processor to perform a

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The nature of the request includes a high bandwidth requirement.

1	76. The machine-readable medium of claim 64 further embodying instructions,
2	the instructions, when executed by a processor, causing the processor to perform a
3	method, wherein:
4	The nature of the request includes a low bandwidth requirement.
1	77. The machine-readable medium of claim 74 further embodying instructions,
2	the instructions, when executed by a processor, causing the processor to perform a
3	method, wherein:
4	The nature of the request includes a set of capabilities of equipment used to
5	make the request.
1	78. The machine-readable medium of claim 66 further embodying instructions.
2.	the instructions, when executed by a processor, causing the processor to perform a
3	method, wherein:
4	Receiving a request for a third channel of the plurality of channels upon
.5	assigning of the first channel;
6	Determining whether a third or fourth channel of the plurality of channels is
7	available; and
8	Communicating to the requestor the third channel availability or fourth channel
9	availability.

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- 79. The machine-readable medium of claim 71 further embodying instructions, 1 the instructions, when executed by a processor, causing the processor to perform a 2 method, wherein: 3
- Evaluating the status includes evaluating the usage history of the subscriber. 4
 - 80. The machine-readable medium of claim 64 further embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, wherein:
 - Determining includes evaluating the radio frequency characteristics of the request.
 - 81. The machine-readable medium of claim 64 further embodying instructions, the instructions, when executed by a processor, causing the processor to perform a method, wherein:

Communicating includes at least one of: denying the request for a channel, granting the request for a channel by assigning the first channel, granting the request for a channel by assigning a second channel and the first channel, or granting the request for a channel by assigning a second channel instead of the first channel.

the request encodes a desired channel of the plurality of channels.